

# Build a Habit Tracker with [Bolt](#) + [ChatGPT](#):

- AI responses are in *Italic*
- My comments (not part of the AI responses) are in green, **like this**

## First, I gave the following prompt to ChatGPT:

Please help me create a prompt for an AI tool specializing in web design (**I'm describing Bolt here, but emphasizing that it specializes in web design**) based on the following:

I want to create a habit tracker app that will eventually become a SaaS. some core functionality that I want right away:

- ability to create, update and delete habits
- ability to select frequency of a habit, ex. 2x per day, 5x per week, once every day
- a default weekly view of all habits with colorful buttons for each day; when you click it, it should turn to a vibrant color that is assigned to it upon creation (this should also be editable)

## ChatGPT's response:

### **Prompt:**

*Design a clean and intuitive **habit tracker web app** UI that will evolve into a SaaS platform. The interface should prioritize **ease of use, modern aesthetics, and engaging user interactions**.*

**Using AI tools to generate prompts for other AI tools is honestly such a great hack**

### **Core Features:**

- *A **habit management panel** allowing users to **create, update, and delete** habits.*
- *A **habit frequency selector** with options like **multiple times per day, specific days per week, or daily tracking**.*
- *A **default weekly view** displaying all habits in a **grid or list format**, with interactive **color-coded buttons for each day**.*
- *When users click a day, the button should change to a **vibrant color assigned to the habit** at creation (which can be edited later).*

### **Design Preferences:**

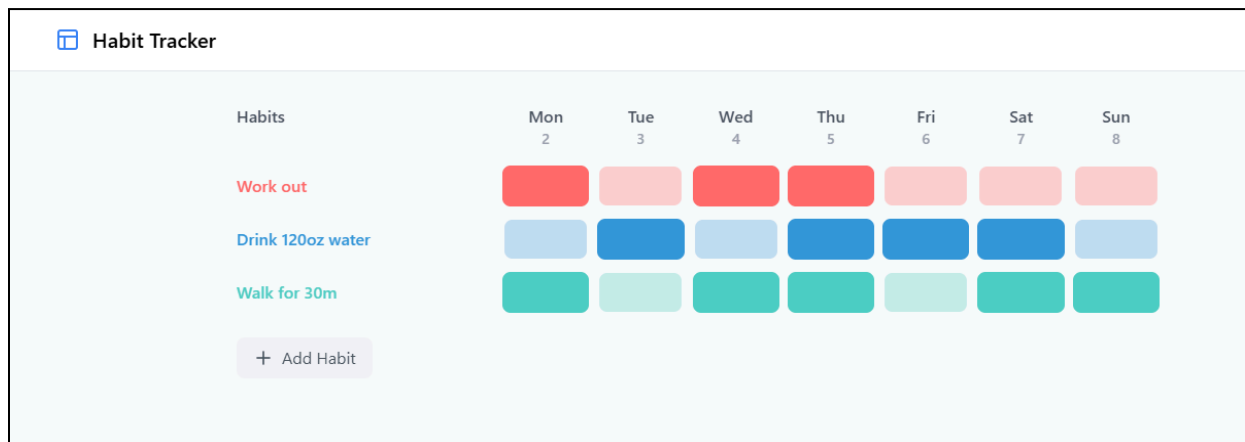
- A **minimal, modern UI** with a focus on clarity and **soft but engaging colors**.
- **Rounded buttons and smooth transitions** for habit tracking interactions.
- A responsive layout suitable for **desktop and mobile**.
- A visually distinct "completed" state when a habit is marked for the day.

Keep the design **fun, intuitive, and visually appealing** while maintaining a structure that can scale as a SaaS product.

Then I copied ChatGPT's entire message and pasted it into [Bolt](#):

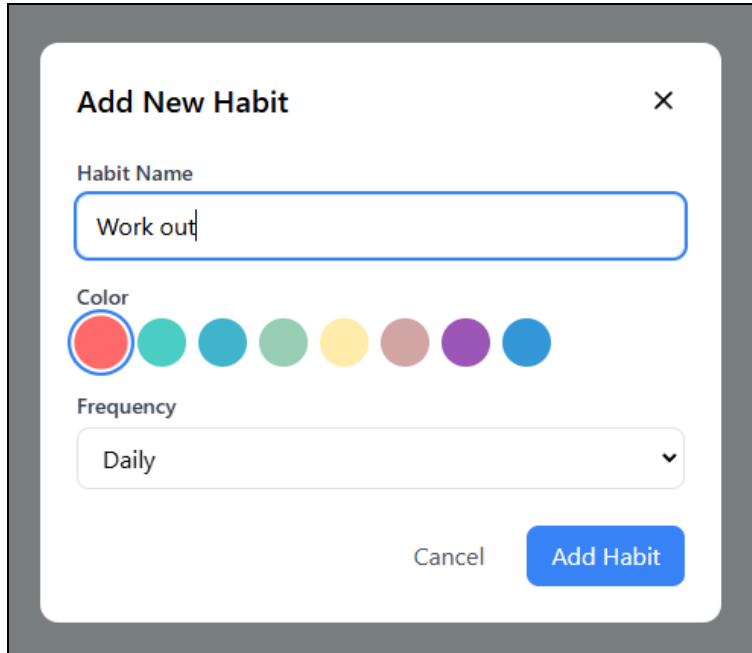
Which made the first iteration of the web application.

Home screen with some example habits that I made:



**Bolt made this website with the very first prompt. Looks amazing - but if you wanted to use it on a daily basis, you'd need to add a database - explained later**

Add habit interface:

A modal dialog box titled "Add New Habit" with a close button (X) in the top right corner. It contains three input fields: "Habit Name" with the text "Work out", "Color" with a row of eight colored circles (red, teal, blue, green, yellow, pink, purple, blue) where the red circle is selected, and "Frequency" with a dropdown menu showing "Daily". At the bottom are "Cancel" and "Add Habit" buttons.

**Add New Habit** ×

Habit Name

Work out

Color

Frequency

Daily

Cancel Add Habit

## Bolt's text response upon making the website:

*I've created a modern, clean, and functional habit tracker with all the core features you requested. Here's what's included:*

### *Clean, Modern UI*

- *Minimal design with soft colors and rounded corners*
- *Smooth transitions and hover effects*
- *Responsive layout that works on all devices*
- *Clear visual hierarchy*

### *Core Features*

- *Habit management with create and toggle functionality*
- *Weekly view with dates and day names*
- *Color-coded habits with customizable colors*
- *Interactive tracking buttons that change appearance when completed*
- *Frequency options (daily, weekly, multiple times per day)*

### *Components*

- *HabitList: Main component displaying the weekly grid*
- *AddHabitDialog: Modal for creating new habits*
- *Type definitions for strong typing*

### *User Experience*

- Clear visual feedback when marking habits
- Easy-to-use habit creation flow
- Intuitive color selection
- Smooth animations and transitions

The app is now running and ready to use. You can:

- Add new habits using the "Add Habit" button
- Choose custom colors for each habit
- Set different frequencies
- Track habits by clicking on the day buttons
- See your progress in the weekly view

The design is production-ready and can easily scale as a SaaS product. Would you like me to explain any specific part in more detail or make any adjustments to the design?

## Then I asked ChatGPT this question:

After creating these initial features, what else do you think should be considered to turn this habit tracker into a successful web application that solves people's problems? Please format your response in a way that I can directly pass it into my AI tool to expand on this project with your suggestions

See how we're creating a sort of AI feedback loop? ChatGPT for prompts, Bolt for design, rinse and repeat

## And ChatGPT responded with:

### **Prompt:**

Expand on the habit tracker web app to enhance user engagement, usability, and scalability as a SaaS product. In addition to the initial core features (habit creation, frequency selection, and interactive tracking UI), consider the following improvements:

### **1. User Experience & Engagement**

- **Streaks & Progress Tracking:** Display habit streaks and progress over time to motivate users.
- **Reminders & Notifications:** Allow users to set custom reminders via email, push notifications, or SMS.
- **Customizable Themes & Dark Mode:** Provide users with UI personalization options.
- **Leaderboard & Social Sharing:** Enable friendly competition by showing streaks and progress among friends or a community.

## 2. Advanced Habit Management

- **Habit Categories & Tags:** Let users organize habits by category (e.g., Health, Productivity, Learning).
- **Flexible Tracking Modes:** Support checkboxes, timers (for duration-based habits), and number counters (e.g., drink 8 glasses of water).
- **Recurring & Conditional Habits:** Allow habits that change frequency dynamically (e.g., "only on weekdays" or "every other day").

## 3. Data & Insights

- **Analytics Dashboard:** Visualize completion trends, success rates, and best-performing habits.
- **CSV & API Export:** Let users download their habit data or connect with third-party services.
- **AI-Powered Insights:** Provide habit suggestions based on usage patterns and completion rates.

## 4. Monetization & SaaS Readiness

- **Subscription Tiers:** Offer free, premium, and enterprise plans with added features.
- **Team & Accountability Features:** Allow users to track habits in groups or under coaching programs.
- **Integration with Other Apps:** Sync with Google Calendar, Apple Health, and productivity tools.
- **Marketplace for Habit Templates:** Provide pre-made habit plans users can buy or share.

## 5. Scalability & Technical Considerations

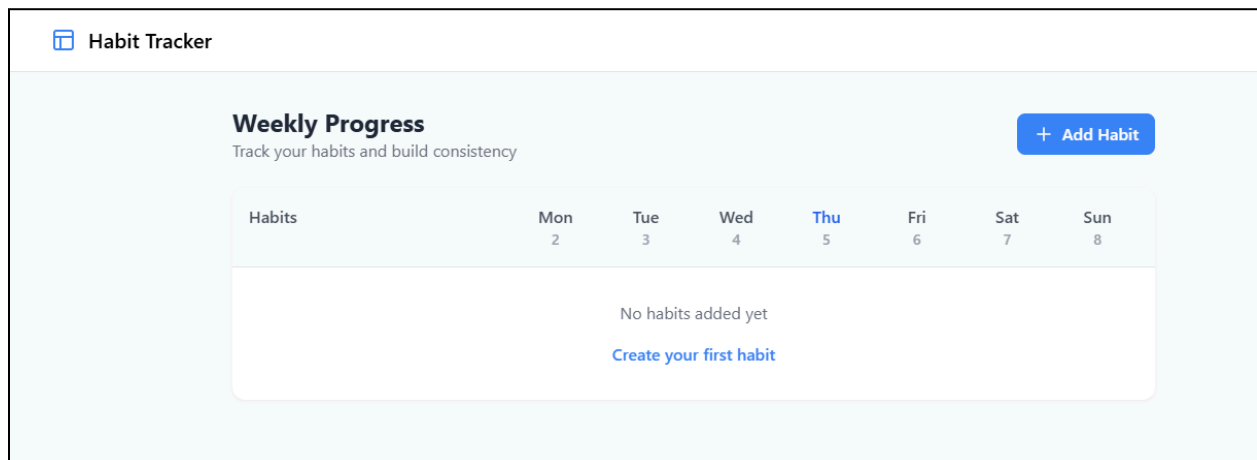
- **Mobile-Friendly & PWA Support:** Ensure a seamless experience across devices.
- **Authentication & Security:** Implement OAuth, Google, and social logins with secure user data storage.
- **API for Third-Party Developers:** Allow integrations with external apps and services.

Enhance the design and functionality based on these suggestions while maintaining a **clean, engaging, and intuitive user experience**.

I again pasted ChatGPT's response into Bolt, which helped make some improvements:

Again we're just letting ChatGPT make the prompts, and adjusting when needed - if you have specific features in mind, design requests, etc.

Home screen without any habits (added a default layout for new users):



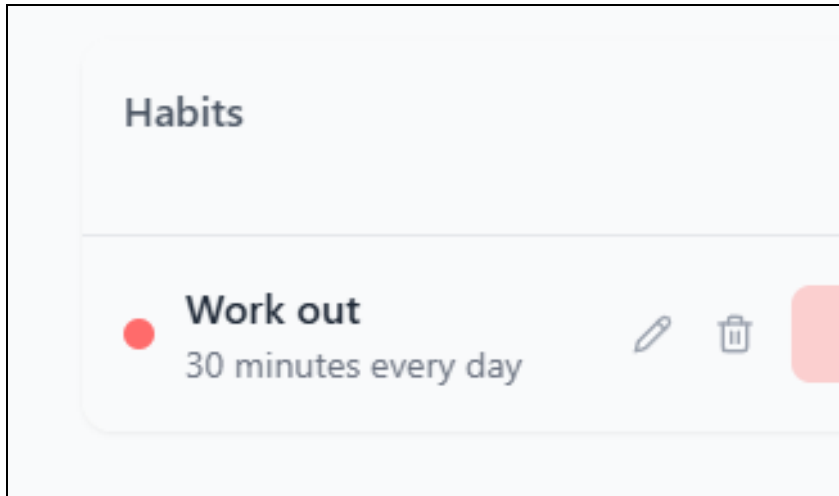
Add habit interface (added a description)

The screenshot shows the 'Add New Habit' form. It has a title 'Add New Habit' and a close button 'X'. The form contains the following fields:

- Habit Name:** A text input field with the value 'Work out'.
- Description (optional):** A text input field with the value '30 minutes every day'.
- Color:** A row of seven colored circles. The first circle (red) is selected and has a blue outline.
- Frequency:** A dropdown menu with the value 'Daily' and a downward arrow.

At the bottom of the form, there are two buttons: 'Cancel' and 'Add Habit'.

Buttons to edit and delete habits:



New edit habit interface:

A screenshot of the 'Edit Habit' dialog box. The dialog has a title bar with 'Edit Habit' and a close button (X). It contains several input fields: 'Habit Name' with the text 'Work out', 'Description (optional)' with the text '30 minutes every day', 'Color' with a row of eight colored circles (red, teal, blue, green, yellow, brown, purple, blue), and 'Frequency' with a dropdown menu showing 'Daily'. At the bottom, there are 'Cancel' and 'Save Changes' buttons.

**Bolt said this upon making those changes:**

*I've enhanced the habit tracker with several improvements:*

*Enhanced UI/UX*

- *Added a sticky header for better navigation*

- *Improved visual hierarchy with better typography*
- *Added empty state for when no habits exist*
- *Hover effects on habit rows showing edit/delete actions*
- *Visual indicator for today's date*
- *Added description field for habits*
- *Improved color contrast and accessibility*

#### *New Features*

- *Edit existing habits*
- *Delete habits with confirmation*
- *Optional descriptions for habits*
- *Better validation and error handling*
- *Multiple times per day tracking*
- *Visual feedback for the current day*
- *Hover states for better interactivity*

#### *Improved Components*

- *More robust form handling*
- *Better type safety*
- *Cleaner component structure*
- *More intuitive habit management*

#### *SaaS-Ready Structure*

- *Scalable component architecture*
- *Type-safe data structures*
- *Clean separation of concerns*
- *Ready for additional features like authentication and data persistence*

*The app now provides a more complete and polished experience while maintaining its clean and intuitive interface. Would you like me to explain any specific part or make further adjustments?*

**I copied Bolt's response into ChatGPT and said this:**

This is what the AI responded with after I pasted your response. How would you respond? Did it address your problems? What could be improved?

**I said this because, while Bolt provided some improvements, it missed some key pieces of the ChatGPT prompt like database integration. So I wanted to see how it would handle this**



## ChatGPT replied with this:

### **Response:**

*Great improvements! The UI/UX enhancements, better form handling, and interactivity updates make the app more polished. However, a few key areas still need attention to align with the long-term SaaS vision:*

### **Missing or Underdeveloped Areas**

#### **1. User Engagement & Retention**

- *Habit streaks, progress tracking, and rewards could significantly boost motivation.*
- *Reminders (push/email/SMS) should be a priority to keep users engaged.*

#### **2. Data & Insights**

- *While UI is improved, users also need habit completion history, analytics, and trends to track progress over time.*
- *A simple dashboard showing past streaks and habit success rates would be valuable.*

#### **3. Monetization & Growth**

- *No mention of subscription tiers or pricing models yet. Even a basic **"Upgrade to Pro" placeholder** could help frame future monetization.*
- *Consider early SaaS integrations (e.g., authentication, API support, or team-based features).*

#### **4. Scalability & Tech Considerations**

- *The update mentions a **SaaS-ready structure**, but does it include database persistence yet? **This is exactly what I was looking for. ChatGPT is reiterating the need for a database***
- *Ensuring **multi-device sync and offline tracking** would be key for long-term usability.*

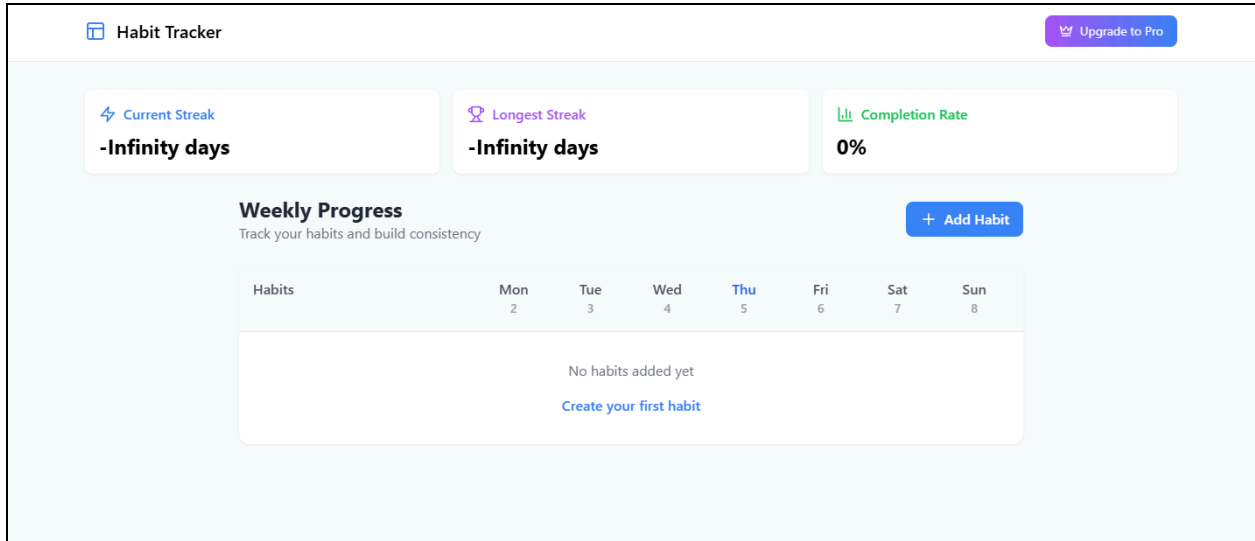
### **Next Steps**

*I'd love to see a focus on **habit streaks, reminders, and analytics** next while laying the groundwork for **subscription features**. What are the next planned iterations?*

## So I pasted this response into Bolt:

And this is the FIRST TIME I got an error with Bolt... all I had to do was tell it to fix the errors, and it was resolved (this time). Below is the next website iteration it provided:

Default home screen (added statistics and a nice "Upgrade to Pro" button in the top right):



Add habit interface (no change):

The "Add New Habit" modal form. It has a title "Add New Habit" and a close button. The form contains the following fields and options:

- Habit Name:** A text input field with the value "Work out".
- Description (optional):** A text input field with the placeholder text "e.g., 10 minutes of mindfulness".
- Color:** A row of eight colored circles. The first circle (red) is selected with a blue outline.
- Frequency:** A dropdown menu with the value "Daily" and a downward arrow.
- Buttons:** "Cancel" and "Add Habit" buttons at the bottom right.

Edit habit interface (no change):

Edit Habit

×

Habit Name

Work out

Description (optional)

e.g., 10 minutes of mindfulness

Color

Frequency

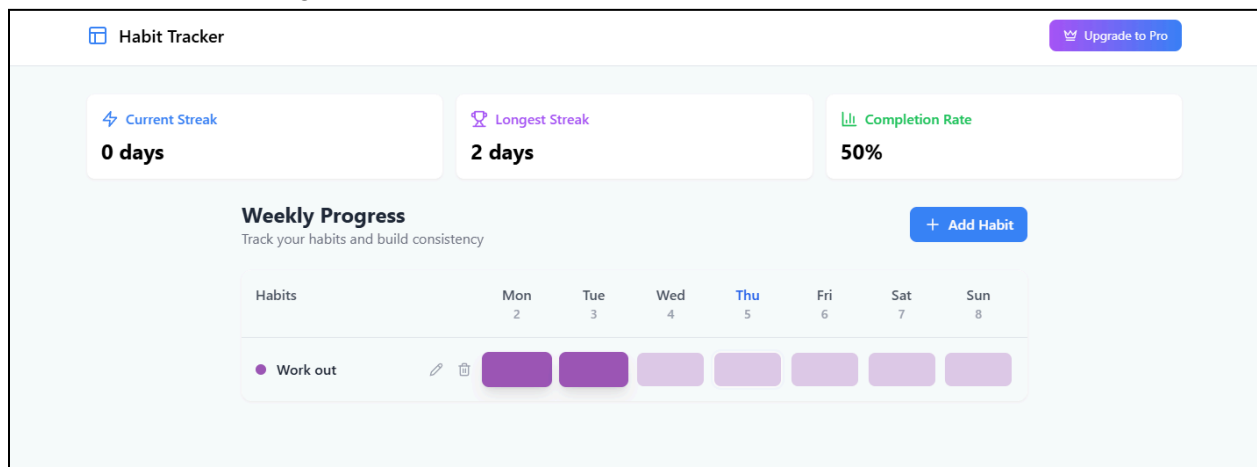
Daily

▼

Cancel

Save Changes

Habit statistics updating at the top:



Bolt's response upon completing these updates:

*I've made several SaaS-focused enhancements:*

*Streak Tracking & Analytics*

- Added streak calculation
- Visual streak indicators
- Crown icon for 7+ day streaks
- Overall stats dashboard
- Completion rate tracking

#### *Pro Features Teaser*

- Added "Upgrade to Pro" button
- Gradient styling to attract attention
- Positioned in the header for visibility

#### *Enhanced Data Structure*

- Added creation dates
- Improved stats calculations
- Better TypeScript types

#### *UI Improvements*

- Stats cards with icons
- Better streak visibility
- More engaging visual feedback

*The app is now ready for future features like:*

- User authentication
- Data persistence
- Premium features
- Team collaboration
- Reminder system

*Would you like me to add any specific feature next?*

**I pasted Bolt's response into ChatGPT and asked how it would proceed:**

*Great work! The next priority should be **data persistence and authentication** to make this a true SaaS product. (Again Bolt focused on cosmetic features, which is fine, but now ChatGPT is really insisting that database persistence should be the next item to tackle) Here's what to focus on next:*

#### **1. User Authentication & Data Persistence**

- Implement **OAuth login** (Google/Auth0) to enable multi-device sync.
- Set up a **backend database** (Firebase, Supabase, or Flask/MongoDB) to store user habits, streaks, and stats instead of relying on local state.

## 2. **Reminder System (MVP Version)**

- Add a **basic in-app notification system** to remind users of pending habits.
- Store reminder preferences for future expansion into push/email notifications.

## 3. **Pro Feature Refinement**

- Define **what features are gated under "Pro"** (e.g., free users get 3 habits, Pro gets unlimited).
- Consider adding **habit data exports or advanced analytics** as Pro-only features.
- Ensure the **"Upgrade to Pro" button dynamically reflects the user's plan**.

Once authentication and persistence are working, the next focus should be **enhancing user engagement** (habit sharing, accountability groups, etc.). Let me know when these changes are implemented! 🚀

## Bolt responded with this:

*I'll help you implement authentication and data persistence using Supabase. Let's break this down into steps:*

1. *First, we'll set up the database schema*
2. *Then add authentication*
3. *Finally, integrate it with our React application*

Now you'll need to: **(This is all done within Bolt - you can sign up for Supabase for free)**

1. *Click the "Connect to Supabase" button in the top right to set up your Supabase project*
2. *After connecting, the environment variables will be automatically added to your project*

*I'll then help you update the React components to use Supabase for data persistence and authentication. Would you like me to proceed with those changes?*

*The schema includes:*

- *User profiles with pro status tracking*
- *Habits table with all necessary fields*
- *Habit completions table for tracking daily progress*
- *Row Level Security (RLS) policies to ensure data privacy*
- *Proper relationships between tables*

*The authentication context is set up to handle:*

- *User sign up/sign in*
- *Session management*
- *Auth state changes*

*Let me know when you've connected to Supabase, and I'll help you update the React components to use the database!*

**After connecting Supabase, Bolt created the project - but it's not done yet. I told ChatGPT:**

It looks like the AI tool successfully set up supabase, but when I create and edit habits nothing appears in the table. **(Trying to give ChatGPT information to help debug the issue)** I presume this is because we aren't logged in as a user, so we should help the AI tool understand that we need to authenticate users before they can create habits. How would you direct the AI tool to do this?

**And ChatGPT said:**

*Authentication needs to be enforced before users can create, edit, or delete habits. Update the implementation as follows:*

*Require User Authentication*

- *Ensure that only logged-in users can create, edit, or delete habits.*
- *Redirect users to the login page if they are not authenticated.*

*Associate Habits with User IDs*

- *When creating a habit, attach the authenticated user's ID to the database entry.*
- *Update queries to filter habits by the logged-in user so each user only sees their own habits.*

*Display User-Specific Data*

- *Update the UI to only show habits for the authenticated user.*
- *If a user is not logged in, display a sign-in prompt instead of an empty habit list.*

*Once this is implemented, verify that habits appear correctly in the database with associated user IDs. Let me know when it's done! 🚀*

**After pasting into Bolt:**

We got some new sign in/sign up pages:



## Sign in to your account

Don't have an account? [Sign up](#)

Sign in

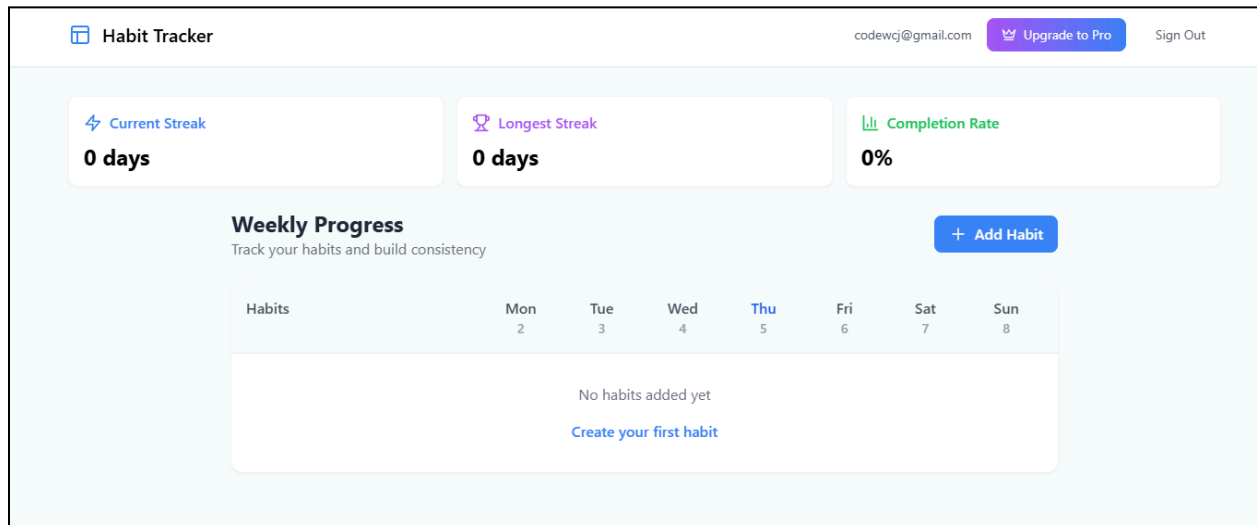


## Create your account

Already have an account? [Sign in](#)

Sign up

New default home screen (fixed negative infinity error in the statistics, email displayed in top right)



## Bolt's text response:

*I've made the following changes to implement authentication and user-specific data handling:*

*Created a new HabitTracker component that:*

- *Checks for authentication*
- *Shows login screen for unauthenticated users*
- *Displays the habit tracker UI for authenticated users*
- *Adds user email display and sign-out button*

*Added an AuthScreen component that:*

- *Handles both sign-in and sign-up*
- *Provides a clean UI for authentication*
- *Shows error messages using toast notifications*
- *Allows switching between login and signup modes*

*Created a useHabits hook that:*

- *Fetches habits for the authenticated user*
- *Handles all CRUD operations with Supabase*
- *Manages habit completions*
- *Calculates stats for the current user's habits*
- *Includes error handling and loading states*

*Updated the main App component to:*



- *Wrap everything in AuthProvider*
- *Use the new HabitTracker component*
- *Add toast notifications for feedback*

*The implementation ensures that:*

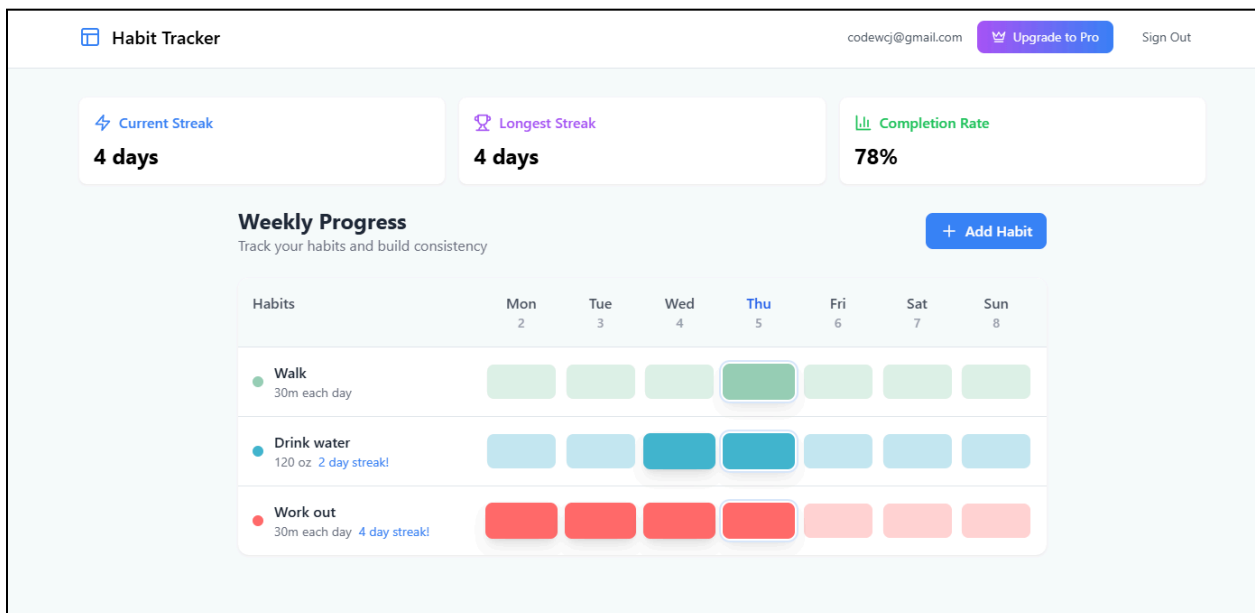
- Only authenticated users can access the habit tracker
- Each user only sees and manages their own habits
- All database operations are protected by RLS policies
- The UI provides clear feedback for all actions

The app now provides a complete authentication flow and user-specific data handling while maintaining a clean and intuitive user experience. (Perfect - exactly what we were looking for)

Would you like me to explain any specific part in more detail or help you test the implementation?

Bolt provided new Sign In/Sign Up screens:

Here I started encountering some more errors after I logged in and tried to add habits. I simply told Bolt to fix these errors, and got it to a usable state where I could sign up/in and create/edit/delete habits



## What's next...

Since we've added a fair amount of features and are now starting to see an increase in the frequency of errors, I think it's time to move this project to [Cursor](#) - one of my favorite AI tools - where I can develop this project in a more controlled manner. Bolt and ChatGPT did their jobs extremely well by exchanging prompts/responses, and gave me a GREAT starting point to building this app.

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Never used Bolt before? [Click here](#) to try it!